

## ABSTRACT OF THE DISCLOSURE

a measurement apparatus which measures a distance between a sensor probe and a target to be measured by using an electrostatic capacitance sensor, comprises  
5 first and second sensor probes (101, 102) which are arranged at respective predetermined gaps to the target (4), and first and second sensor amplifiers (111, 112) which are connected respectively to the first and second sensor probes, wherein when the distance between  
10 the target and the first or second sensor probe is measured, said first amplifier supplies a first current with the first sensor probe and said second amplifier supplies a second current which is different phase and/or amplitude from the first current.